JAN 15 2004
U.S. PATENT & TRADEMARK OFFICE

Docket No. 242934US99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Victor V. LAIKO, et al.

SERIAL NO: 10/681,198 GAU:

FILED: October 9, 2003 EXAMINER:

FOR: A METHOD AND APPARATUS FOR IONIZATION OF A SAMPLE AT ATMOSPHERIC PRESSURE USING A LASER

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:
Applicant(s) wish to disclose the following information.

REFERENCES

■ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

■ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 242934US99	SERIAL NO. 10/681,198
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Victor V. LAIKO, et al.	
		FILING DATE October 9, 2003	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,965,884	10/12/1999	Laiko- et al.			
	AB	4,977,320	12/11/1990	Chowdhury et al.			
	AC	5,965,884	10/12/1999	Laiko et al.			
	AD	US2003/0052268	3/20/2003	Doroshenko et al.			
	AE	6,288,390	9/11/2001	Siuzdak et al.			
	AF	5,719,060	2/17/1998	Hutchens et al.			
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	A.P. Bruins, Mass Spectrometry with Ion Sources Operating at Atmospheric Pressure, Mass Spectrometry Reviews, 1991, vol. 10, pgs. 53-77.
	AX	Masamichi Yamashita et al., Electrospray Ion Source. Another Variation on the Free-Jet Theme, J. Phys. Chem. 1984, vol. 88, pgs. 4451-4459.
	AY	John B. Fenn, et al., Electrospray Ionization for Mass Spectrometry of Large Biomolecules, Science, October 6, 1989, vol. 246, pgs. 64-71.
	AZ	HOrning et al., New Picogram Detection System Based on a Mass Spectrometer With an External Ionization Source at Atmospheric Pressure, Anal. Chem. 1973, vol. 45, No. 6, May 1973, pgs. 936-943.

■ Additional References sheet(s) attached

Examiner	Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AAA	Craig M. Whitehouse, et al., Electrospray Interface for Liquid Chromatographs and Mass Spectrometers, Anal. Chem., 1985, vol. 57, pgs. 675-679.
	AAD	Baiwei Lin et al., Ion Transport by Viscous Gas Flow Through Capillaries, J. Am. Soc. Mass Spectrom, 1994, vol. 5, pgs. 873-885.
	AAE	Michael Karas et al, Laser Desorption Ionization of Proteins With Molecular Masses Exceeding 10 000 Daltons, Anal. Chem., 1988, vol. 60, pgs. 2299-2301.
	AAF	Victor V. Laiko, et al, Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry, Anal. Chem., 2000, vol. 72, No. 4, pgs. 652-657.
	AAG	Victor V. Laiko et al., Atmospheric Pressure MALDI/Ion Trap Mass Spectrometry, Anal. Chem., 2000, vol. 72, No. 21, pgs. 5239-5243.
	AAH	Concepcion Rodriguez Esteban, et al., The Novel Cer-like Protein Caronte Mediates the Establishment of Embryonic Left-Right Asymmetry, Nature, September 16, 1999, vol. 401, pgs. 243-251.
	AAI	Victor V. Laiko et al., Atmospheric Pressure Laser Desorption/Ionization on Porous Silicon, Rapid Commun. Mass. Spectrometry, 2002, vol. 16, pgs. 1737-1742.
	AAJ	
	AAK	
	AAL	
	AAM	
	AAN	
	AAO	
	AAP	
	AAQ	

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